

PAYLOAD TO SUPPORT TRACK INTERFACE AND FITTING APPARATUS AND METHODS

ABSTRACT OF THE DISCLOSURE

5 Apparatus and methods for coupling a payload to a support track are disclosed. In
one embodiment, an interface assembly includes a base, a support arm, and a lug member.
The base has a pair of clamp arms projecting outwardly therefrom. Each clamp arm is
adapted to be disposed through an associated coupling aperture disposed in the engagement
member. The clamp arms are moveable relative to the engagement member between an
10 unsecured position in which the clamp arms are extractable from the coupling apertures, and
a secured position wherein the clamp arms are not extractable from the coupling apertures.
The support arm is coupled to the base and to a component (*e.g.* a payload). The lug member
that locks the assembly in the secured position, is moveable between a first position wherein
the clamp arms are positioned in the unsecured position, and a second position wherein the
15 clamp arms are positioned in the secured position.